

CLAIMS

~~Sup B1~~ 1. An apparatus for linearizing the output of a communication device with a transmit path including a plurality of components and a receive path both coupled to a communication medium, and the apparatus comprising;

5 a training module for transmitting on the transmission path selected signals which generate a corresponding monitor signal on the receive path;
 a controller for varying at least one control parameter of at least a selected one of the plurality of components during the transmission of the selected signals by said training module; and
10 logic for determining which among the variations of the control parameter correlates with an optimal level of the corresponding monitor signal on the receive path.

2. A method for linearizing the output of a communication device with a transmit path including a plurality of components and a receive path both coupled to a communication medium, and the apparatus comprising;

15 transmitting on the transmission path selected signals which generate a corresponding monitor signal on the receive path;
 varying at least one control parameter of at least a selected one of the plurality of components during said act of transmitting; and
20 determining which among the variations of the control parameter correlates with an optimal level of the corresponding monitor signal on the receive path.

add
B2